

Frictional damper, particularly for washing machine.

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Inventor: HANSCHMIDT HERBERT (DE); BEIER CHRISTIAN (DE)
Applicant: MIELE & CIE (DE)
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Abstract of EP0407755

Friction dampers are used for vibrational damping in drum-type washing machines, in order to guarantee a quiet vibration-free running of the drum. A disadvantage of conventional friction dampers is that they have an approximately constant damping effect over their entire working range. An amplitude-dependent damping effect is to be achieved with the new friction damper. Stops (6), which are assigned spring elements (7), are arranged as means of amplitude-dependent damping on the friction piston (2a) of the friction damper (1). Arranged in the interspace of the spring elements (7) on the friction piston is a spacer sleeve (8) carrying a friction covering (9) which is in frictional connection with the housing inner wall (5). The frictional force between the housing inner wall (5) and friction covering (9) is so high that, at low amplitudes, only a relative movement between the friction piston (2a) and spacer sleeve (8) takes place and a low damping effect is obtained, in that the spring elements (7) are compressed as a result of the movement of the piston rod (2) or of the friction piston (2a) between the stop (6) and spacers (8), and that only at higher amplitudes is the spacer sleeve (8) taken up by the friction covering (9), with the result that the damping effect increases.

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